

# Resume

## **KUNAL J. PADALKAR**

5/1203, Amarante CHS.SEC-9E,  
Kalamboli, Navi Mumbai,  
Maharashtra -410218.

Date of Birth- 04/04/1989

Gender - Male

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### **Objective:**

Highly accomplished and dedicated University Professor with 11 years of experience in Engineering. Adept at developing and delivering engaging courses, conducting research, and mentoring students. Committed to fostering a positive learning environment and promoting academic excellence. I can contribute expertise, inspire students, and advance knowledge in Mechanical Engineering field.

### **Education: M.E. Mechanical Engineering (First Class with Distinction)**

Machine Design,  
Mumbai University, Fr. C. R. I. T. Vashi,  
Navi Mumbai, Maharashtra,  
November 2012

### **Education: B.E. Mechanical Engineering (First Class)**

Shivaji University,  
Kolhapur, Maharashtra,  
May 2010

### **Education: Diploma in Mechanical Engineering (First Class)**

MSBTE,  
Kolhapur, Maharashtra,  
May 2007.

## **Certifications**

- Remote Pilot Certificate (PC042300003EV)  
The Bombay Flying Club,  
Mumbai, Maharashtra  
2023.
- AutoCAST , 2012.
- Chinese Level 1 (HSK), 2018.

## **Teaching Experience:**

**D Y Patil Deemed to be University,**  
Ramrao Adik Institute of Technology,  
Nerul, Navi Mumbai, Maharashtra,  
Assistant Professor,  
Engineering Sciences Department,  
2023 -Present.

## **Responsibilities**

- Develop and deliver Engineering Mechanics and Graphics curriculum, incorporating innovative teaching methods and technologies to enhance student engagement and comprehension.
- Conduct lectures, seminars, and discussions, fostering critical thinking and encouraging active student participation.
- Create and assess assignments, exams, and projects, providing constructive feedback to facilitate student growth and learning.
- Mentor and advise students on academic and career matters, supporting their personal and professional development.
- Collaborate with colleagues on research projects, contributing to the advancement of knowledge in Engineering.
- Taught courses such as Mechanics and Graphics, covering topics including computer aided design.
- Facilitated class discussions, encouraged critical thinking, and mentored students in their academic pursuits.
- Developed and revised course materials to align with evolving academic standards and industry trends.

**Industry Experience****Macon Metals PVT. LTD,**

Navi Mumbai, Maharashtra

Design Engineer,

Research and Development,

2012 – 2013.

**Research Experience:****Research Scholar,**

Mumbai University,

Fr. C. R. I. T. Vashi,

Navi Mumbai, Maharashtra

Mechanical Department

2023 -Present.

**Responsibilities**

- Lead researcher in the domain of metal casting.
- Design and implement experiments, collect and analyze data, and interpret research findings.
- Collaborate with multidisciplinary teams to further investigate and advance knowledge in metal casting.

**Professional Memberships:**

- COUNCIL OF VIBRATION SPECIALISTS, Senior Member, 2021.

**Skills:**

- Strong research and analytical abilities
- Effective leadership and mentoring skills
- Proficient in Drone Technology
- Extensive knowledge of Metal Casting.
- Collaborative and team-oriented approach

**Publications:**

- A paper titled, “Modeling and Simulation of Solidification in Metal Casting for Defects Minimization” was presented at the International Conference on Recent Advances in Engineering, Technology and Management at Sardar Patel College of Engineering, Mumbai, May-2012.
- A paper titled, “Defect Free Casting by Using Simulation Software”, published at the International Conference on Material Science and Engineering Technology at Wuhan, China, October-2012.

**References:**

1. Dr. S.M. Khot, Navi Mumbai.
2. Dr. C.M. Choudhari, Navi Mumbai.
3. Dr. Sunil Kadm, Kolhapur.
4. Dr. Darshan Dorugade, Canada.